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This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims

Claims 1-61 (Canceled)

62. (Previously Presented) A flexible energy absorbing material comprising

a resilient carrier with voids or cavities therein, said carrier being coated or impregnated or

combined with a dilatent material.

63. (Previously Presented) A material as claimed in claim 62 wherein the

dilatant material is a dilatant compound.

(Previously Presented) A material as claimed in claim 62 wherein the

carrier is a spacer material.

65. (Currently Amended) A material as claimed in [[claim 65]] claim 62 wherein

the resilient carrier is a spacer fabric comprising a resilient core sandwiched between a pair

of covering layers.

64.

66. (Previously Presented) A material as claimed in claim 65 wherein the

resilient core comprises a layer of yarn and the covering layers have a plurality of apertures

therein.

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67. (Previously Presented) A material as claimed in claim 66 wherein the varn is woven into a resilient pile.

- 68. (Previously Presented) A material as claimed in claim 66 wherein the yarn is knitted into a resilient pile.
- 69. (Previously Presented) A material as claimed in claim 65 wherein the outer surface of each covering layer is formed with a plurality of compressible bubbles therein.
- 70. (Previously Presented) A material as claimed in claim 65 wherein elongate hollow channels are formed in the compressible core.
- 71. (Previously Presented) A material as claimed in claim 62 wherein the resilient carrier is made of a foam material.
- 72. (Previously Presented) A material as claimed in claim 62 wherein the resilient carrier is a fleece material.
- 73. (Previously Presented) An energy absorbing material as claimed in claims 62 wherein the dilatent compound is a dimethyl-siloxane-hydro-terminated polymer.
- 74. (Previously Presented) An energy absorbing material as claimed in claims 62 wherein the dilatent compound has Duolite spheres or lightweight filler therein.

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75. (Previously Presented) An energy absorbing material as claimed in claims 62 wherein the dilatent compound is Dow Corning 3179.

- 76. (Previously Presented) A flexible energy absorbing material comprising a resilient core of discrete modules made of dilatent compound sandwiched between a pair of covering layers.
- An energy absorbing material as claimed in claim 77. (Previously Presented) 76 wherein the modules are randomly arranged in the compressible core.
- An energy absorbing material as claimed in claim 78. (Previously Presented) 76 wherein the modules are arranged in axially aligned rows across the width of the sheet.
- (Previously Presented) An energy absorbing material as claimed in claim 79. 76 wherein the modules comprise parallel elongate hollow tubular members.
- 80. (Previously Presented) An energy absorbing material as claimed in claim 76 wherein each module has a covering layer thereon.
- An energy absorbing material as claimed in claim (Previously Presented) 81. 80 wherein the covering layer is a hard outer skin of said dilatent compound.
- An energy absorbing material as claimed in claim (Previously Presented) 82. 76 wherein the modules are spherical.

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- 83. (Previously Presented) An energy absorbing material as claimed in claims 76 wherein the dilatent compound is a dimethyl-siloxane-hydro-terminated polymer.
- 84. (Previously Presented) An energy absorbing material as claimed in claims 76 wherein the dilatent compound has Duolite spheres or lightweight filler therein.
- 85. (Previously Presented) An energy absorbing material as claimed in claims 76 wherein the dilatent compound is Dow Corning 3179.
- 86. (Previously Presented) An energy absorbing material comprising a thread formed from a dilatent compound which is woven or knitted into a compressible layer.
- 87. (Previously Presented) An energy absorbing material as claimed in claim 86 wherein the compressible layer is contained between a pair of spaced sheets of supporting material.
- 88. (Previously Presented) A material as claimed in claim 86 wherein the thread has a covering layer thereon.
- 89. (Previously Presented) A material as claimed in claim 88 wherein the covering layer is a harder outer skin of the dilatent material.
- 90. (Previously Presented) An energy absorbing material as claimed in claims 86 wherein the dilatent compound is a dimethyl-siloxane-hydro-terminated polymer.

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91. (Previously Presented) An energy absorbing material as claimed in claims 86 wherein the dilatent compound has Duolite spheres or lightweight filler therein.

- An energy absorbing material as claimed in 92. (Previously Presented) claims 86 wherein the dilatent compound is Dow Corning 3179.
- (Previously Presented) A method of manufacturing an energy absorbing 93. material comprising a resilient carrier with a dilatant material therein comprising the steps of heating the dilatant material to convert it from its normal semi-solid state into a flowable form and working the flowable material into the resilient carrier to impregnate said carrier with the dilatant material.
- A method as claimed in claim 93 wherein the (Previously Presented) 94. dilatant material is heated to 150°C.
- A method as claimed in claim 93 wherein the 95. (Previously Presented) dilatant material is fed between a pair of spaced sheets of material with voids or cavities therein and then between a pair of heated rollers which press the dilatant material into the voids in the spaced sheets of material, the energy absorbing sheet with the dilatant material therein emerging from the rollers.
- A method as claimed in claim 93 wherein the (Previously Presented) 96. carrier is a foam material and the flowable dilatant material is pressed into the foam into under pressure at approximately 150°C.

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97. (Previously Presented) A method of manufacturing an energy absorbing material comprising a resilient carrier impregnated with a dilatant material comprising the steps of reducing the viscosity of the dilatant compound from its normal semi-solid state into a flowable foam using a solvent, pouring the thinned dilatant material into the carrier, and finally removing the solvent from the formed energy absorbing material.

- 98. (Previously Presented) A method as claimed in claim 97 wherein the solvent is evaporated from the material by applying heat thereto.
- 99. (Previously Presented) A method as claimed in claim 98 wherein the solvent is propanol, isopropyl alcohol, methanol, dichloromomethane, trichloromethane or a mixture thereof.